

IN THE CLAIMS

Please amend the claims as follows.

For the Examiner's convenience, a list of all claims is included below.

1. (Currently Amended) A method comprising:
using an optical storage drive to read a file from an optical storage medium, the optical storage drive having a plurality of drive speeds; and
determining a drive speed from the plurality of drive speeds based upon a format of the file by accessing a coded drive-speed lookup table containing a plurality of coded drive speeds, each coded drive speed corresponding to a drive voltage; and
supplying the drive voltage to the optical storage drive to set the drive speed.
2. (Original) The method of claim 1, wherein the file has a format selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.
3. (Original) The method of claim 1, wherein the plurality of drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.
4. (Cancelled)
5. (Previously presented) The method of claim 1 wherein the coded drive-speed lookup table is stored as firmware.

6. (Original) The method of claim 5, wherein the firmware is stored in a nonvolatile memory storage device.
7. (Currently Amended) A method comprising:
 - receiving to an optical storage device, a command to read a file from an optical storage medium, the command indicating a file type;
 - accessing a coded drive-speed lookup table, the coded drive-speed lookup table storing a plurality of drive-speeds, each drive-speed corresponding to at least one file type;
 - obtaining a coded drive-speed corresponding to the file type, the coded drive speed corresponding to a drive voltage; and
 - operating a drive of the optical storage device by supplying the drive voltage to the drive of the optical storage device to set the drive speed ~~at a speed indicated by the coded drive speed.~~
8. (Original) The method of claim 7, wherein the file type is selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.
9. (Original) The method of claim 7, wherein the plurality of drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.
10. (Original) The method of claim 7, wherein the coded drive-speed lookup table is stored as firmware.
11. (Original) The method of claim 10, wherein the firmware is stored in a nonvolatile memory storage device.

12. (Currently Amended) A machine-readable medium that provides executable instructions which, if executed by a processor, will cause said processor to perform operations comprising:

reading a file from an optical storage medium using an optical storage drive, the optical storage drive having a plurality of drive speeds; ~~and~~

determining a drive speed from the plurality of drive speeds based upon a format of the file by accessing a coded drive-speed lookup table, containing a plurality of coded drive speeds, each coded drive speed corresponding to a drive voltage; and

supplying the drive voltage to the optical storage drive to set the drive speed.

13. (Original) The machine-readable medium of claim 12, wherein the format of the file is selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.

14. (Original) The machine-readable medium of claim 12, wherein the plurality of drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.

15. (Cancelled)

16. (Previously presented) The machine-readable medium of claim 12 wherein the coded drive-speed lookup table is stored as firmware.

17. (Original) The machine-readable medium of claim 16, wherein the firmware is stored in a nonvolatile memory storage device.

18. (Original) The machine-readable medium of claim 17, wherein the nonvolatile memory storage device is selected from the group consisting of: a ROM, a PROM, an EPROM, an EEPROM, and flash memory.

19. (Currently Amended) An apparatus comprising:

an optical storage drive device driver to receive a command to read a file from an optical storage medium, the file having a file type;

a firmware having stored therein a plurality of coded drive-speeds, each coded drive-speed corresponding to at least one file type, each coded drive speed corresponding to a drive voltage;

a controller to access the firmware and obtain a coded drive-speed corresponding to the file type; and

a motor control hardware register to receive the coded drive-speed, the motor control hardware register limiting a drive voltage to a drive of the optical storage device to the drive voltage corresponding to the coded drive speed, such that the drive operates at a speed indicated by the coded drive-speed.

20. (Original) The apparatus of claim 19, wherein the file type is a type selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.

21. (Original) The apparatus of claim 19, wherein the plurality of coded drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.

22. (Original) The apparatus of claim 19, wherein the firmware is stored in a nonvolatile memory storage device.

23. (Original) The apparatus of claim 22, wherein the nonvolatile memory storage device is selected from the group consisting of: a ROM, a PROM, an EPROM, an EEPROM, and flash memory.

24. (Currently Amended) A system comprising:

a processor;

an optical storage drive; and

a memory coupled to the processor, the memory having stored therein, executable instructions which, when executed by the processor, cause the processor to perform operations comprising,

determining a content of an optical storage medium currently inserted in the optical storage drive;

setting a drive speed of the optical storage drive based upon the content of the optical storage medium by accessing a coded drive-speed lookup table containing a plurality of coded drive speeds, each coded drive speed corresponding to a drive voltage; and

supplying the drive voltage to the optical storage drive to set the drive speed.

25. (Original) The system of claim 24, wherein the content of the optical storage medium has a format, the format selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.

26. (Original) The system of claim 24, wherein the drive speed is a speed selected from the group consisting of: 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.

27. (Cancelled)

28. (Previously presented) The system of claim 23, wherein the coded drive-speed lookup table is stored as firmware.

29. (Original) The system of claim 28, wherein the firmware is stored in a nonvolatile memory storage device.

30. (Original) The system of claim 29, wherein the nonvolatile memory storage device is selected from the group consisting of: a ROM, a PROM, an EPROM, an EEPROM, and flash memory.